

WHAT IS CLAIMED IS:

*Sub A* 1. A method for forming a breast prosthesis outer surface, comprising the method steps of:

- (a) producing a three-dimensional image of a breast by performing a computerized scan of the breast;
- (b) producing a positive model of the breast based on said three-dimensional image;
- (c) vacuum-forming a flexible sheet over said positive model;
- (d) casting a two-piece solid mold from said flexible sheet;
- (e) introducing a curable material into said mold to form a breast prosthesis outer surface; and
- (f) turning said breast prosthesis outer surface inside out.

2. The method of claim 1, wherein said flexible sheet is uniformly flat and of consistent thickness.

*2<sup>1</sup>* 3. The method of claim ~~1~~, wherein said thickness of said flexible sheet is about 1.9 millimeters.

*3<sup>3</sup>* 4. The method of claim ~~1~~, wherein said flexible sheet comprises vinyl.

*4<sup>4</sup>* 5. The method of claim 1, wherein the breast is held in a support garment during step (a).

5<sup>4</sup> 5. The method of claim <sup>44</sup>5, wherein said support garment comprises a half-cup fitted underneath the breast.

16 6. The method of claim 1, wherein said curable material is <sup>silicone material.</sup> ~~Silastic~~.

7 7. The method of claim 1, wherein step (a) is performed using a camera on a 180° mount.

54 8. The method of claim 1, wherein step (b) is performed using a computer-controlled milling machine.

10. A method for forming a breast prosthesis outer surface, comprising the method steps of:

(a) producing a three-dimensional image of a breast by performing a computerized scan of the breast;

(b) producing a positive model of the breast based on said three-dimensional image;

(c) vacuum-forming a flexible sheet over said positive model;

(d) turning said flexible sheet inside out;

(e) casting a two-piece solid mold from said flexible sheet; and

(f) introducing a curable material into said mold to form a breast prosthesis outer surface.

11. The method of claim 10, wherein said flexible sheet is uniformly flat and of consistent thickness.

09167080-100698  
869007-08029160

12. The method of claim 11, wherein said thickness of said flexible sheet is about 1.9 millimeters.
13. The method of claim 12, wherein said flexible sheet comprises vinyl.
14. The method of claim 10, wherein the breast is held in a support garment during step (a).
15. The method of claim 14, wherein said support garment comprises a half-cup fitted underneath the breast.
16. The method of claim 10, wherein said curable material is Silastic.
17. The method of claim 10, wherein step (a) is performed using a camera on a 180° mount.
18. The method of claim 10, wherein step (b) is performed using a computer-controlled milling machine.